

Junior/Assistant Specialist genetics, genomics, cell
culture, and genome editing - Nuez Lab Department of
Molecular and Cellular Biology
University of California Berkeley

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Downloaded On: May. 1, 2025 12:36am

Posted Apr. 30, 2025, set to expire May 29, 2025

Job Title Junior/Assistant Specialist genetics, genomics, cell
culture, and genome editing - Nuez Lab Department
of Molecular and Cellular Biology

Department Department of Molecular and Cellular Biology

Institution University of California Berkeley
Berkeley, California

Date Posted Apr. 30, 2025

Application Deadline 05/29/2025

Position Start Date Available immediately

Job Categories Research Scientist/Associate

Academic Field(s) Biology - Molecular
Biology - Genetics

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Job Description

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**Junior/Assistant Specialist genetics, genomics, cell culture, and genome editing - Nuez Lab
Department of Molecular and Cellular Biology**

Position overview Position title: Junior/Assistant Specialist

Salary range: The UC academic salary scales set the minimum pay determined by rank and step at
appointment. See the following table(s) for the current salary scale(s) for this position:

https://www.ucop.edu/academic-personnel-programs/_files/2024-25/july-2024-scales/t24-b.pdf

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. A reasonable estimate for this position is \$53,100-\$64,700.

Percent time: 100%

Anticipated start: Summer 2025

Position duration: One year with the possibility of extension based on performance and availability of funding.

Application Window

Open date: April 29, 2025

Next review date: Wednesday, May 14, 2025 at 11:59pm (Pacific Time)

Apply by this date to ensure full consideration by the committee.

Final date: Thursday, May 29, 2025 at 11:59pm (Pacific Time)

Applications will continue to be accepted until this date, but those received after the review date will only be considered if the position has not yet been filled.

Position description

The Department of Molecular and Cellular Biology at the University of California, Berkeley seeks applications for a Junior/Assistant Specialist in the Nunez Lab, in the area of genetics, genomics, cell culture, and genome editing.

The Nunez lab studies the molecular biology of epigenetics in human cells and developing new technologies to change epigenetic modifications for use in basic research. The lab uses CRISPR to modify epigenetics at any site of the human genome, taking advantage of cell culture models to quantitatively measure the direct impact of epigenetics on gene expression. The lab specializes in CRISPR, functional genomics, CRISPR screens, epigenome editing, genome editing, genomics, and cell-based reporter models.

The Junior/Assistant Specialist will provide a variety of research functions and specialized support within the Nunez lab.

Primary responsibilities include:

- Culturing a variety of mammalian cell lines, including cancer cell lines, induced pluripotent stem cells,

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and iPSC-derived neurons. The candidate will passage cells routinely by counting and plating into tissue culture dishes using sterile technique.

This includes routine counting and passaging of cell lines such as HEK293T, K562, and stem cells. The candidate will perform CRISPR experiments, starting from introducing CRISPR molecules into cells, then genotyping/phenotyping to assess the gene or epigenome editing efficacy.

-Transfection and transduction of vectors to generate cell lines for CRISPR-based experiments. The candidate will routinely generate lentiviral particles from HEK293T cells for future transduction into cell lines.

-Genotyping and molecular analysis of gene editing and epigenome editing experiments. The candidate will isolate genomic DNA or chromatin from CRISPR-treated cells and perform PCR and/or chromatin immunoprecipitation.

-In addition, the candidate will assist with duties such as ordering and restocking supplies, autoclaving waste, and coordinating repair of broken equipment with vendors.

-Managing protocols and ensuring lab safety and protocol compliance.

-Preparing written reports on research progress, including assisting the PI and lab members in writing methods and protocols used in experiments that are included in manuscripts.

This position provides full benefits.

Contract: <https://ucnet.universityofcalifornia.edu/resources/employment-policies-contracts/bargaining-units/academic-researchers/contract/>

Lab: <https://www.nunezlab.org/>

Qualifications

Basic qualifications (required at time of application)

Bachelor's degree (or equivalent international degree) or enrollment in a Bachelor's (or equivalent international degree) program

Additional qualifications (required at time of start)

Bachelor's degree (or equivalent international degree)

Preferred qualifications

Bachelor's degree in an area of molecular and cell biology such as biochemistry, genetics or cell biology, or related field.

Upper division course in genetics is strongly preferred.

Coursework in molecular biology and biochemistry.

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Experience working in a research lab.

Prior experience with sterile tissue culture techniques, such as maintaining mammalian cell lines

Basic molecular biology techniques.

Ability to design and interpret experiments.

Ability to prepare figures for manuscripts.

Demonstrated proficiency to work as part of a research team.

Application Requirements

Document requirements

- Curriculum Vitae - Your most recently updated C.V.
- Cover Letter

Reference requirements

- 3-5 required (contact information only)

Apply link: <https://aprecruit.berkeley.edu/JPF04857>

Help contact: jamesnunez@berkeley.edu

About UC Berkeley

UC Berkeley is committed to diversity, equity, inclusion, and belonging in our public mission of research, teaching, and service. These values are embedded in our [Principles of Community](#), which reflect our passion for critical inquiry, debate, discovery and innovation, and our deep commitment to contributing to a better world. Every member of the UC Berkeley community has a role in sustaining a safe, caring and humane environment in which these values can thrive.

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For more information, please refer to the [University of California's Affirmative Action and Nondiscrimination in Employment Policy](#) and the [University of California's Anti-Discrimination Policy](#).

In searches when letters of reference are required all letters will be treated as confidential per

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University of California policy and California state law. Please refer potential referees, including when letters are provided via a third party (i.e., dossier service or career center), to the [UC Berkeley statement of confidentiality](#) prior to submitting their letter.

As a University employee, you will be required to comply with all applicable University policies and/or collective bargaining agreements, as may be amended from time to time. Federal, state, or local government directives may impose additional requirements.

As a condition of employment, the finalist will be required to disclose if they are subject to any **final** administrative or judicial decisions within the last seven years determining that they committed any misconduct.

- "Misconduct" means any violation of the policies or laws governing conduct at the applicant's previous place of employment, including, but not limited to, violations of policies or laws prohibiting sexual harassment, sexual assault, or other forms of harassment, discrimination, dishonesty, or unethical conduct, as defined by the employer.
- [UC Sexual Violence and Sexual Harassment Policy](#)
- [UC Anti-Discrimination Policy](#)
- [APM - 035: Affirmative Action and Nondiscrimination in Employment](#)

Job location

Berkeley, CA

To apply, visit <https://aprecruit.berkeley.edu/JPF04857>

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

N/A

University of California Berkeley

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